



1999 Toxics Release Inventory

MONTANA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	48,545,330	78,582,271	127,127,601
Air Emissions	5,368,777	1,152,322	6,521,099
Surface Water Discharges	36,047	10	36,057
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	2,298	0	2,298
Other On-site Land Releases	43,138,208	77,429,939	120,568,147
Off-site Releases (Transfers Off-site to Disposal)*	114,245	376,802	491,047
Total On- and Off-site Releases	48,659,575	78,959,073	127,618,648
Recycled On-site	36,466,718	0	36,466,718
Recycled Off-site	180,530	33,753	214,283
Energy Recovery On-site	7,559,811	0	7,559,811
Energy Recovery Off-site	22,434	0	22,434
Treated On-site	7,916,220	2,893,460	10,809,680
Treated Off-site**	30,689	1,439	32,128
Quantity Released On- and Off-site***	49,842,158	78,950,223	128,792,381
Total Production-related Waste Managed	102,018,560	81,878,875	183,897,435
Total Non-production-related Waste Managed	6,898	17	6,915

Transfers Off-site for Further Waste Management/Disposal

Recycling	232,658	6,753	239,411
Energy Recovery	23,611	0	23,611
Treatment	23,412	1,689	25,101
Publicly Owned Treatment Works (POTWs)	11,285	0	11,285
Metals and Metal Compounds*	10	0	10
Non-metal TRI Chemicals**	11,275	0	11,275
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	1,368,210	376,802	1,745,012
Total Transfers Off-site for Further Waste Management/Disposal	1,659,176	385,244	2,044,420

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

****Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

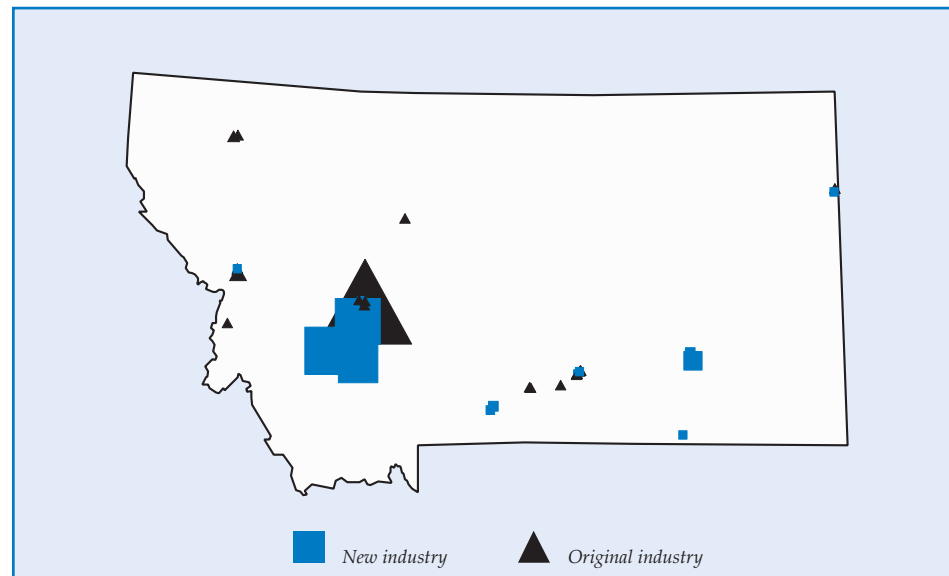
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To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
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The largest marker in the state map represents the largest facility for on-site releases in the state of Montana. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	882,779
Square Miles	145,556
Total Facilities	42
Total Forms	253
Form As	31

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	19	9	18
Pounds	48,659,575	78,959,073	127,618,648
National Rank for Total On-site Releases**			
Rank	17	9	16
Pounds	48,545,330	78,582,271	127,127,601
National Rank for Total Releases within State***			
Rank	20	9	18
Pounds	48,552,624	78,959,071	127,511,695
National Rank for Production-related Waste Managed			
Rank	34	19	34
Pounds	102,018,560	81,878,875	183,897,435

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Zinc compounds	10,562	43	0	35,577,360	345,316	35,933,281	0	5	345,311
--	Lead compounds	16,454	1	0	2,554,272	580,236	3,150,963	0	0	580,236
67-56-1	Methanol	3,088,962	16,000	0	270	0	3,105,232	0	0	0
--	Manganese compounds	786	3	0	2,976,183	10,839	2,987,811	0	0	10,839
--	Copper compounds	8,519	7	0	1,444,304	15,697	1,468,527	0	5	15,692
7664-41-7	Ammonia	781,138	13,430	0	14,105	436	809,109	0	0	436
50-00-0	Formaldehyde	465,261	2,800	0	0	0	468,061	0	0	0
--	Cadmium compounds	1,241	1	0	11,403	359,346	371,991	0	0	359,346
--	Arsenic compounds	2,788	63	0	281,882	34,971	319,704	0	0	34,971
7664-39-3	Hydrogen fluoride	228,730	0	0	0	0	228,730	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Zinc compounds	4,904	0	0	21,405,495	3,900	21,414,299	0	3,900	0
--	Copper compounds	2,687	0	0	15,177,982	3,900	15,184,569	0	3,900	0
7440-50-8	Copper	1,213	0	0	11,103,779	0	11,104,992	0	0	0
--	Lead compounds	1,260	0	0	10,749,000	1,601	10,751,861	0	1,600	1
7440-47-3	Chromium	581	0	0	7,461,120	0	7,461,701	0	0	0
--	Barium compounds	109,987	5	0	3,995,701	145,600	4,251,293	0	145,600	0
7440-02-0	Nickel	810	0	0	2,280,350	0	2,281,160	0	0	0
--	Manganese compounds	10,898	5	0	1,734,026	67,700	1,812,629	0	67,700	0
--	Arsenic compounds	500	0	0	1,530,000	1,250	1,531,750	0	1,250	0
7647-01-0	Hydrochloric acid	579,916	0	0	0	0	579,916	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
ASARCO Inc., East Helena, Lewis and Clark	50,525	1,660	0	0	0	43,058,183	43,110,368	0	1,350,974
Stone Container Corp., Missoula, Missoula	3,298,705	24,400	0	0	0	285	3,323,390	0	0
Plum Creek MDF Inc., Columbia Falls, Flathead	741,550	0	0	0	0	0	741,550	0	0
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	300,197	0	0	0	0	81	300,278	0	0
Holly Sugar Corp., Sidney, Richland	239,000	0	0	0	0	10,000	249,000	0	0
Louisiana-Pacific Corp. Missoula Particleboard, Missoula, Missoula	166,000	0	0	0	0	0	166,000	0	0
Conoco Inc. Billings Refy., Billings, Yellowstone	129,508	616	0	0	0	0	130,124	0	0
Western Sugar Co.130130, Billings, Yellowstone	64,000	3,400	0	0	0	42,100	109,500	0	0
ExxonMobil Billings Refy., Billings, Yellowstone	100,867	5,686	0	0	0	9	106,562	44	4,013
Montana Refining Co., Great Falls, Cascade	75,755	0	0	0	0	0	75,755	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Montana Resources, Butte, Silver Bow	1,000	0	0	0	0	25,082,000	25,083,000	0	0
Montana Tunnels Mining Inc., Jefferson City, Jefferson	28,014	0	0	0	0	24,082,370	24,110,384	0	0
Golden Sunlight Mines Inc., Whitehall, Jefferson	111,632	0	0	0	0	20,376,450	20,488,082	0	0
PP&L Montana Colstrip Steam Electric Station, Colstrip, Rosebud	285,185	0	0	0	0	6,293,900	6,579,085	156,500	2
SMC Nye Mine Site, Nye, Stillwater	1,101	0	0	0	0	963,225	964,326	0	0
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	613,223	0	0	0	0	344,454	957,677	0	0
SMC East Boulder Project, Mc Leod, Sweet Grass	0	0	0	0	0	249,523	249,523	0	0
J.E. Corette Steam Electric Station, Billings, Yellowstone	62,350	10	0	0	0	0	62,360	80,000	0
Lewis & Clark Station, Sidney, Richland	25,196	0	0	0	0	25,800	50,996	140,300	0
Conoco Helena Product Terminal, Helena, Lewis and Clark	13,109	0	0	0	0	0	13,109	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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MONTANA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
ASARCO Inc., East Helena, Lewis and Clark	28,916,883	0	0	0	0	0	44,454,865	73,371,748	6,467
Stone Container Corp., Missoula, Missoula	0	0	7,084,400	0	4,153,500	0	3,305,754	14,543,654	0
Plum Creek MDF Inc., Columbia Falls, Flathead	0	0	0	0	0	0	740,300	740,300	0
Columbia Falls Aluminum Co. L.L.C., Columbia Falls, Flathead	6,342,848	0	0	0	0	0	300,278	6,643,126	0
Holly Sugar Corp., Sidney, Richland	0	0	0	0	0	0	249,000	249,000	0
Louisiana-Pacific Corp. Missoula Particleboard, Missoula, Missoula	0	0	0	3,700	0	0	166,000	169,700	0
Conoco Inc. Billings Refy., Billings, Yellowstone	0	26,923	0	24	68,890	4	118,990	214,831	0
ExxonMobil Billings Refy., Billings, Yellowstone	0	12,000	250,000	0	2,298,877	209	110,812	2,671,898	6
Western Sugar Co.130130, Billings, Yellowstone	0	0	0	0	4,000	0	105,000	109,000	0
Montana Refining Co., Great Falls, Cascade	216,100	0	0	0	0	11,079	76,440	303,619	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Montana Resources, Butte, Silver Bow	0	0	0	0	0	0	25,066,200	25,066,200	0
Montana Tunnels Mining Inc., Jefferson City, Jefferson	0	27,000	0	0	0	0	24,110,370	24,137,370	7
Golden Sunlight Mines Inc., Whitehall, Jefferson	0	0	0	0	0	0	20,424,110	20,424,110	5
PP&L Montana Colstrip Steam Electric Station, Colstrip, Rosebud	0	0	0	0	2,500,000	0	6,831,112	9,331,112	0
Colstrip Energy L.P. Rosebud Power Plant, Colstrip, Rosebud	0	0	0	0	0	0	957,677	957,677	0
SMC Nye Mine Site, Nye, Stillwater	0	0	0	0	20,460	0	943,866	964,326	0
SMC East Boulder Project, Mc Leod, Sweet Grass	0	0	0	0	0	0	249,523	249,523	0
Lewis & Clark Station, Sidney, Richland	0	0	0	0	238,000	0	191,040	429,040	4
J.E. Corette Steam Electric Station, Billings, Yellowstone	0	0	0	0	135,000	0	142,000	277,000	0
Decker Coal Co., Decker, Big Horn	0	6,753	0	0	0	0	12,217	18,970	1

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.